AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An infusion device for medical use, comprising:

[[-]] at least one container ~~(4)~~ designed to hold a specified quantity of a liquid to be infused into a patient;

[[-]] a weighing device ~~(7)~~ associated for operation with ~~the~~ said container to measure the weight of the container and emit a corresponding control signal;

[[-]] a transport line ~~(2)~~ connected to ~~the~~ said container to convey the liquid, in operating conditions, towards an infusion point ~~(5)~~;

[[-]] means ~~(9)~~ for moving a flow of the liquid along ~~the~~ said line;

a control unit ~~(8)~~ associated with ~~the~~ said weighing device and with ~~the~~ said movement means, the control unit receiving ~~the~~ said control signal and being capable of detecting at least one end of infusion condition;

~~the said infusion device being characterised in that it comprises~~ a continuous fluid separator ~~(10)~~ capable of separating the fluid into a gaseous portion and a liquid portion, ~~the~~ said separator ~~(10)~~ operating in ~~the~~ said transport line ~~(2)~~.

2. (Currently Amended) The device of ~~Claim~~ claim 1, ~~characterized in that the~~ wherein said separator comprises a containing body ~~(11)~~ having:

[[-]] at least one inlet ~~(12)~~ for receiving a fluid from ~~the~~ said container;

[[-]] at least a first outlet ~~(13)~~ for receiving a liquid portion of ~~the~~ said fluid; and

[[-]] selector means ~~(15)~~ interposed between ~~the~~ said inlet and ~~the~~ said first outlet and capable of continuously separating said fluid into a gaseous portion and a liquid portion.

3. (Currently Amended) The device of ~~Claim~~ claim 2, ~~characterized in that the~~ wherein said containing body ~~(11)~~ of the separator comprises at least a second outlet ~~(14)~~ for receiving ~~the~~ said gaseous portion of ~~the~~ said fluid.

4. (Currently Amended) The device of ~~Claim~~ claim 2 ~~or 3~~, ~~characterized in that the~~ wherein said selector means comprise at least one hydrophilic membrane ~~(16)~~ having one side facing ~~the~~ said first outlet and one side facing ~~the~~ said inlet, for receiving ~~the~~ said fluid and transferring only liquid towards ~~the~~ said first outlet.

5. (Currently Amended) The device of ~~Claim~~ claim 3 ~~or 4~~, ~~characterized in that the~~ wherein said selector means comprise at least one hydrophobic membrane ~~(17)~~ having one side facing ~~the~~ said second outlet and one side facing ~~the~~ said inlet, for receiving ~~the~~ said fluid and transferring only gas towards ~~the~~ said second outlet.

6. (Currently Amended) The device of ~~any one of Claims~~ claim 1 ~~to 5~~, ~~characterized in that the~~ wherein said separator ~~(10)~~ is interpositioned between ~~the~~ said movement means ~~(9)~~ and ~~the~~ said infusion point ~~(5)~~.

7. (Currently Amended) The device of ~~any one of Claims~~ claim 1 ~~to 6~~, ~~characterized in that the~~ wherein said separator ~~(10)~~ is positioned immediately downstream of ~~the~~ said movement means ~~(9)~~.

8. (Currently Amended) The device of ~~any one of Claims~~ claim 1 ~~to 7~~, ~~characterized in that it comprises~~ comprising a rigid support ~~(1)~~ holding opposite ends of a first length of tubing ~~(18)~~ of ~~the~~ said line ~~(2)~~ designed to interact with ~~the~~ said movement means ~~(9)~~, ~~the~~ said first length of tubing having a curved shape and a predetermined axial extension.

9. (Currently Amended) The device of ~~Claim~~ claim 8, ~~characterized in that the~~ wherein said line ~~(2)~~ comprises a second length of tubing ~~(19)~~ extending between ~~the~~ said container ~~(4)~~ and ~~the~~ said rigid support ~~(1)~~ and put into fluid communication with ~~the~~ said first length.

10. (Currently Amended) The device of ~~Claim~~ claim 8 ~~or 9~~, ~~characterized in that the~~ wherein said rigid support ~~(1)~~ comprises a first lateral portion ~~(20)~~ forming ~~the~~ said containing body ~~(11)~~.

11. (Currently Amended) The device of ~~Claim~~ claim 10, ~~characterized in that the~~ wherein said rigid support ~~(1)~~ comprises a second lateral portion ~~(22)~~ with a tubular profile to which are fixed corresponding ends of ~~the~~ said first and ~~the~~ said second length of tubing of ~~the~~ said line ~~(18, 19)~~, ~~the~~ said second lateral portion being distanced from ~~the~~ said first portion ~~(20)~~.

12. (Currently Amended) The device of ~~any one of Claims~~ claim 3 ~~to 11~~, ~~characterized in that the~~ wherein said containing body ~~(11)~~ comprises a base ~~(25)~~ and a cover portion ~~(26)~~, interacting with ~~one~~ each other to form a passage ~~(27)~~ for fluid between ~~the~~ said inlet ~~(12)~~ and ~~the~~ said first and second outlets ~~(13, 14)~~.

13. (Currently Amended) The device of ~~Claim~~ claim 12 ~~and of any one of Claims 5 to 11~~, ~~characterized in that the~~ wherein said base ~~(25)~~ forms a through channel ~~(28)~~ for putting ~~the~~ said passage ~~(27)~~ into fluid communication with the exterior, ~~the said~~ a hydrophobic membrane ~~(17)~~ operating in ~~the~~ said channel.

14. (Currently Amended) The device of ~~Claim~~ claim 12 ~~or 13~~, ~~characterized in that the~~ wherein said base ~~(25)~~ comprises an incorporated first tubular connecting element ~~(29)~~.

15. (Currently Amended) The device of ~~Claim~~ claim 14, ~~characterized in that the~~ wherein said cover portion ~~(26)~~ comprises an incorporated second tubular connecting element ~~(30)~~ having an axis of extension which is inclined with respect to an axis of extension of ~~the~~ said first tubular connecting element.

16. (Currently Amended) The device of ~~Claim~~ claim 12 ~~and to any one of Claims 4 to 11~~, ~~characterized in that the~~ wherein said hydrophilic membrane ~~(16)~~ is interpositioned between ~~the~~ said base ~~(25)~~ and ~~the~~ said cover portion ~~(26)~~, and extends throughout ~~the~~ said containing body ~~(11)~~.

17. (Currently Amended) The device of ~~Claims~~ claim 12 ~~and of any one of Claims 4 to 11~~, ~~characterised in that~~ wherein each of ~~the~~ said base ~~(25)~~ and ~~the~~ said

cover portion ~~(26)~~ comprises a corresponding base wall ~~(25a; 26a)~~ and a corresponding perimeter edge ~~(25b; 26b)~~ emerging from ~~the~~ said base wall, ~~the said~~ a hydrophilic membrane ~~(16)~~ extending parallel to ~~the~~ said base ~~walls~~ wall ~~(25a; 26a)~~ and distanced there-from.

18. (Currently Amended) The device of ~~Claim~~ claim 17, ~~characterized in that the~~ wherein said containing body has a plurality of projections ~~(31)~~ emerging from ~~the~~ said base wall of ~~the~~ said base.

19. (Currently Amended) The device of ~~Claim~~ claim 17 ~~or 18~~, ~~characterized in that the~~ wherein said containing body has a plurality of projections ~~(32)~~ emerging from ~~the~~ said base wall of ~~the~~ said cover portion.

20. (Currently Amended) The device of ~~Claim~~ claim 18 ~~or 19~~, ~~characterized in that the~~ wherein said base projections ~~(31)~~ comprise teeth distributed uniformly over the surface of ~~the~~ said base wall of ~~the~~ said base.

21. (Currently Amended) The device of ~~Claim~~ claim 19 ~~or 20~~, ~~characterized in that the~~ wherein said cover portion projections ~~(32)~~ comprise deflectors spaced angularly to guide a flow of liquid towards ~~the~~ said first outlet.

22. (Currently Amended) The device of ~~Claim~~ claim 11, ~~characterized in that the~~ wherein said first and second lateral ~~portion~~ portions ~~(20, 22)~~ are rigidly connected by a rigid cross-piece ~~(23)~~.

23. (Currently Amended) The device of ~~Claims~~ claim 22 ~~and 12~~, ~~characterised in that the~~ wherein said base ~~(25)~~ of ~~the~~ said containing body, ~~the~~ said rigid cross-piece ~~(23)~~ and ~~the~~ said second lateral portion ~~(22)~~ are made in a single piece.

24. (Currently Amended) The device of ~~Claim~~ claim 22 ~~or 13~~, ~~characterised in that the~~ wherein said rigid cross-piece is essentially flat and parallel to a lie plane of ~~the~~ said first length of tubing.

25. (Currently Amended) The device of ~~any one of Claims~~ claim 1 ~~to 24~~, ~~characterised in that the~~ wherein said control unit ~~(8)~~ is ~~capable of performing~~ configured to perform an appropriate end of infusion procedure when an end of infusion condition is detected.

26. (Currently Amended) The device of ~~Claim~~ claim 25, ~~characterised in that the~~ wherein said end of infusion procedure comprises a stage of commanding ~~the~~ said movement means ~~(9)~~ to stop transport of said fluid along ~~the~~ said line.

27. (Currently Amended) The device of ~~Claim~~ claim 25, ~~characterised in that the~~ wherein said end of infusion procedure comprises a stage of signalling that the end of infusion condition has been reached.

28. (Currently Amended) The device of ~~any one of Claims~~ claim 1 ~~to 24~~, ~~characterised in that it comprises~~ comprising a plurality of ~~the~~ said containers ~~(4)~~, ~~the~~ said transport line ~~(2)~~ exhibiting a plurality of branches for fluid connection of each

container to ~~the~~ said infusion point, and a corresponding flow shut-off element ~~(6)~~ acting on each of ~~the~~ said branches.

29. (Currently Amended) The device of ~~Claim~~ claim 28, ~~characterised in that the~~ wherein said control unit ~~(8)~~ is capable of performing an appropriate end of infusion procedure when the end of infusion condition is detected, ~~the~~ said end of infusion procedure comprising ~~the~~ a stage of commanding ~~the~~ an opening of a shut-off element ~~(6)~~ associated with a container which is not empty.

30. (Currently Amended) The device of claim 1~~any one of the preceding claims~~, ~~characterised in that it comprises~~ comprising at least one check valve ~~(36)~~, predisposed on ~~the~~ said transport line ~~(2)~~ to prevent a flow which is inverse to an infusion direction.

31. (Currently Amended) The device of claim 30, ~~characterised in that the~~ wherein said check valve ~~(36)~~ is arranged between ~~the~~ said continuous fluid separator ~~(10)~~ and ~~the~~ said infusion point ~~(5)~~.

32. (Currently Amended) The device of claim 31, ~~characterised in that the~~ wherein said check valve ~~(36)~~ is arranged immediately downstream of ~~the~~ said continuous fluid separator ~~(10)~~.

33. (Currently Amended) The device of claim 30 ~~and of claim 8~~, ~~characterised in that the~~ wherein said check valve ~~(36)~~ is an integral part of ~~the said~~ a rigid support ~~(1)~~ holding opposite ends of a first length of tubing of said line designed to interact with said moving means.

34. (Currently Amended) The device of claim 30 ~~and of claim 2~~, ~~characterised in that the~~ wherein said check valve ~~(36)~~ is arranged internally of ~~the said~~ a containing body ~~(11)~~ in a zone comprised between ~~the~~ said selector means ~~(15) and the said first outlet (13)~~ interposed between an inlet and an outlet of said containing body and said outlet, said selector means being capable of continuously separating said fluid into a gaseous portion and a liquid portion.

35. (Currently Amended) The device of claim 30, ~~characterised in that the~~ wherein said check valve ~~(36)~~ comprises a mobile obturator organ ~~(37)~~, which operates on a passage mouth ~~(35)~~ of ~~the~~ said liquid portion.

36. (Currently Amended) The device of claim 35 ~~and of claim 12~~, ~~characterised in that the~~ wherein said passage mouth ~~(35)~~ is associated ~~to~~ with ~~the said~~ a cover portion ~~(26)~~ of ~~the~~ said containing body ~~(11)~~.

37. (Currently Amended) The device of claim 36, ~~characterised in that the~~ wherein said cover portion ~~(26)~~ comprises a base wall ~~(26a)~~ and wherein ~~the~~ said selector means ~~(15) comprise~~ comprises at least one hydrophilic membrane ~~(16)~~ facing and distanced from ~~the~~ said base wall ~~(26a)~~, ~~the~~ said passage mouth ~~(35)~~ being associated to ~~the~~ said base wall ~~(26a)~~.

38. (Currently Amended) The device of claim 5, ~~characterised in that the~~ wherein said containing body ~~(11)~~ internally defines a fluid passage ~~(27)~~ between ~~the~~ said separator inlet ~~(12)~~ and ~~the~~ said first outlet ~~(13)~~, ~~the~~ said hydrophobic membrane ~~(17)~~ being situated in an upper zone of a fluid passage portion ~~(27a)~~ located upstream

of ~~the~~ said hydrophilic membrane ~~(16)~~, ~~the~~ said hydrophobic membrane ~~(17)~~ facing upwards in a use configuration of ~~the~~ said support element ~~(1)~~.

39. (Currently Amended) The device of claim 38, ~~characterised in that the~~ wherein said upstream passage portion ~~(27a)~~ for fluid passage has at least one passage section which progressively increases in a direction towards ~~the~~ said hydrophobic membrane ~~(17)~~.

40. (Currently Amended) The device of claim 39, ~~characterised in that the~~ wherein said hydrophobic membrane ~~(17)~~ is located superiorly with respect to an upper point of the operative surface of ~~the~~ said hydrophilic membrane ~~(16)~~.

41. (Currently Amended) The device of claim 11, ~~characterised in that the~~ wherein said containing body ~~(11)~~ has a development which is prevalently in a transversal direction proceeding from ~~the~~ said first lateral portion ~~(20)~~ to ~~the~~ said second lateral portion ~~(22)~~, ~~the~~ said first outlet ~~(13)~~ being located in a lateral end zone of ~~the~~ said transversal development, in proximity of ~~the~~ said second lateral portion ~~(22)~~.

42. (Currently Amended) The device of claim 41, ~~characterised in that the~~ wherein said second outlet ~~(14)~~ is arranged in an intermediate zone of ~~the~~ said transversal development.

43. (Currently Amended) An infusion device for medical use, comprising:

[[-]] at least one container ~~(4)~~ designed to hold a specified quantity of a fluid to be infused into a patient;

[[-]] a transport line ~~(2)~~ connected to ~~the~~ said container to convey ~~the~~ said fluid, in operating conditions, in an infusion direction leading from ~~the~~ said container ~~(4)~~ towards an infusion point ~~(5)~~;

[[-]] at least one continuous fluid separator ~~(10)~~, operating on ~~the~~ said transport line ~~(2)~~ and separating ~~the~~ said fluid into a gaseous portion and a liquid portion;

[[-]] at least one check valve ~~(36)~~, operating on ~~the~~ said transport line ~~(2)~~ for preventing a flow in an inverse direction to ~~the~~ said infusion direction;

[[-]] a rigid containing body ~~(11)~~ having at least one inlet ~~(12)~~ and at least a first outlet ~~(13)~~ for a fluid, inserted in ~~the~~ said transport line ~~(2)~~, ~~which~~ said containing body ~~(11)~~ contains ~~the~~ said separator ~~(10)~~ and ~~the~~ said check valve ~~(36)~~, both of which separator ~~(10)~~ and check valve ~~(36)~~ are arranged between ~~the~~ said at least one inlet ~~(12)~~ and ~~the~~ said at least one outlet ~~(13)~~.

44. (Currently Amended) The device of claim 43, ~~characterised in that the~~ wherein said continuous fluid separator ~~(10) is the separator of any one of claims from 2 to 5 and from 12 to 21~~ further comprises a containing body having:

at least one inlet for receiving fluid from said container;

at least a first outlet for receiving a liquid portion of said fluid; and

selector means interposed between said inlet and said first outlet and capable of continuously separating said fluid into a gaseous portion and a liquid portion.

45. (Currently Amended) The device of claim 44, ~~characterised in that the~~ wherein said check valve ~~(36)~~ is arranged internally of ~~the~~ said containing body ~~(11)~~ in a zone comprised between ~~the~~ said selector means ~~(15)~~ and ~~the~~ said first outlet ~~(13)~~.

46. (Currently Amended) The device of claim 43, ~~characterised in that the~~ wherein said check valve ~~(36)~~ comprises a mobile obturating organ ~~(37)~~ operating on a passage mouth ~~(35)~~ of ~~the~~ said liquid portion.

47. (Currently Amended) The device of claim 44, ~~characterized in that the~~ wherein said passage mouth ~~(35)~~ is associated ~~to~~ with ~~the~~ said cover portion ~~(26)~~ of ~~the~~ said containing body ~~(11)~~.

48. (Currently Amended) The device of claim 47, ~~characterised in that the~~ wherein said cover portion ~~(26)~~ comprises a base wall ~~(26a)~~, and wherein ~~the~~ said selector means ~~(15)~~ comprise at least one hydrophilic membrane ~~(16)~~ which faces ~~the~~ said base wall ~~(26a)~~ and is distanced ~~there-from~~ therefrom, ~~the~~ said passage mouth ~~(35)~~ being associated to ~~the~~ said base wall ~~(26a)~~.

49. (Currently Amended) ~~Apparatus~~ An apparatus for extracorporeal blood treatment, comprising a device according to ~~any one of the preceding claims~~ claim 1.

50. (Currently Amended) ~~Apparatus~~ An apparatus for extracorporeal blood treatment ~~according to Claims 49 and 15~~, ~~characterised in that it comprises~~ comprising a device according to claim 1, an extracorporeal circuit ~~(33)~~ and a blood treatment unit ~~(34)~~ positioned in ~~the~~ said circuit ~~(33)~~, ~~the~~ said second connecting element ~~(30)~~ being

directly and removably connected to a connector of ~~the~~ said extracorporeal blood circuit ~~(33)~~ upstream or downstream of ~~a~~ said blood treatment unit ~~(34)~~.